THERMAMAX

PEGASUS ARC400C INVERTER

THERMAMAX FLAGSHIP RANGE

Introducing the **PEGASUS** MMA Inverter series of machines by Thermamax. This technologically advanced range of machines have a unique electrical structure and air channel design. They also come standard with advanced *Insulated-Gate Bipolar Transistor (IGBT)* Inverter Technology. IGBT Inverter Technology (sometimes known as VMOS) utilises a three-terminal power semiconductor device as a switch, resulting in a much higher efficiency and faster switching speeds, with a greater voltage capability. Put simply, this translates to a much higher efficiency, with less draw on power from the primary supply - saving costs. This machine also has easy-arc starting, less spatter, stable current and excellent weld shaping.

The **PEGASUS ARC 400C** Inverter has advanced control technology that is suitable for multiple welding applications. It also boasts a hot-start ignition function, making MMA welding easier, and more reliable. It has self-adaptive arc force technology, which improves long-distance welding capabilities. Each machine comes with a user-friendly digital display, MMA/Lift TIG switch and VRD to secure the welder's safety. The built-in **VRD** (Voltage Reduction Device) reduces the maximum unloaded open circuit voltage across the output terminals to a safe voltage. This machine is capable of welding both rutile and cellulosic electrodes.

This machine series has been tested according to the highest International Standards, for phenomena such as ambient temperature, current fluctuations, impact, component fatigue, and water / moisture exposure. They are being continually developed and improved, and come with a 3-year conditonal warranty.

MAIN PARAMETERS

PARAMETER	UNIT	ARC400C
RATED INPUT VOLTAGE		AC380V±15% 50/60Hz
RATED INPUT POWER	KW	15
RATED OUTPUT POWER	KW	14.4
RATED INPUT CURRENT	A	19
WELDING CURRENT RANGE	A	30 - 400
ARC FORCE CURRENT RANGE	A	0 - 120
NO-LOAD VOLTAGE	V	9
RATED DUTY CYCLE @30°C	%	60%
EFFICIENCY	%	87
POWER FACTOR	cosϕ	0.95
HOUSING PROTECTION GRADE	IP	IP21S
INSULATION GRADE		F
STANDARD		IEC60974-1
SIZE WITH HANDLE	mm	647*293*555mm
WEIGHT	KG	30.5
APPLICABLE ELECTRODE	mm	1.0 - 4.0

Three-year Conditional Warranty

Weldamax warrants all Thermamax Machines against any defects in materials and workmanship (parts and labour) for a period of three years.